

## AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

### Listing of Claims:

1. (currently amended) A Method for transmission of traffic streams ~~(1,2,3)~~ over a common transmission channel ~~(7)~~, of which ~~the (1,2,3) data (A—E)~~ comes into a buffer ~~(4, 5, 6)~~ connected upstream of the transmission channel ~~(7)~~, comprising:

~~\_\_\_\_\_ where~~ defining a guaranteed bandwidth, for the transmission of packets ~~(A—E)~~ of a particular one of the traffic streams ~~(1)~~ over the transmission channel ~~(7)~~ ~~a guaranteed bandwidth ( $B_{G1}$ ) is defined~~, with which is ~~the~~ a minimum bandwidth used to transmit packets of ~~this~~ the traffic stream over the transmission channel;

~~\_\_\_\_\_ where~~ defining a maximum bandwidth for the transmission of packets ~~(A—E)~~ of a particular the traffic stream ~~(1)~~ over the transmission channel ~~(7)~~ ~~a maximum bandwidth ( $B_{1max}$ ) is defined~~ with which the packets ~~(A—E)~~ of ~~this~~ the traffic stream ~~(1)~~ will be transmitted over the transmission channel ~~(7)~~, where packets ~~(D—E)~~ of the a traffic stream ~~(1)~~ which come into a buffer ~~(4)~~ with a transmission rate lying below the guaranteed bandwidth ~~( $B_{G1}$ )~~ for ~~this~~ the traffic stream ~~(1)~~ in the common transmission channel ~~(7)~~, are timed for transmission over the transmission channel ~~(7)~~ before ~~these~~ the packets ~~(ABC)~~ of ~~this~~ the traffic stream which come into the buffer ~~(4)~~ with a transmission rate lying above the guaranteed bandwidth ~~(amber, red)~~,

~~\_\_\_\_\_ where~~ wherein packets ~~(ABC)~~ of a the traffic stream ~~(1)~~ which come into a buffer ~~(4)~~ with a transmission rate lying below the maximum bandwidth ~~( $B_{1max}$ )~~ for ~~this~~ the traffic stream ~~(1)~~ in the transmission channel ~~(7)~~ are times for transmission over the transmission channel ~~(7)~~ before the packets ~~(C)~~ of the traffic stream ~~(1)~~ which have arrived in the buffer ~~(4)~~ with a transmission rate lying above the maximum bandwidth ~~( $B_{1max}$ )~~ of the traffic channel in the transmission channel ~~(7)~~ ~~(red)~~.

Claim 2. (currently amended) The Method in accordance with Claim 1, ~~characterized in that~~ wherein, if the transmission channel ~~(7)~~ is ~~already~~ occupied by a number of traffic streams, each

with a guaranteed bandwidth, a further traffic stream for transmission over the common transmission channel will ~~only~~ be allowed if ~~the~~a sum of the guaranteed bandwidths and the requested bandwidth of the ~~new-further~~ traffic stream is a maximum of equal to ~~the~~a product of a prespecified quality constant with which ~~the~~an overall traffic channel bandwidth available to the transmission channel.

Claim 3. (currently amended) The Mmethod in accordance with claim 1, ~~characterized in that~~wherein, the constant is equal to one.

Claim 4. (currently amended) The Mmethod in accordance with claim 1, ~~characterized in that~~wherein the constant is greater than one.

Claim 5. (currently amended) The Mmethod in accordance with claim 1, ~~characterized in that~~wherein, the constant is less than one.

Claim 6. (currently amended) The Mmethod in accordance with claim 1, ~~characterized in that~~wherein the traffic channel-(1) is a mobile radio channel for payload data.

Claim 7. (currently amended) The Mmethod in accordance with claim 1, ~~characterized in that~~wherein the traffic channel passes through a GATEWAY, ~~especially a~~ UMTS GATEWAY.

Claim 8. (currently amended) The mMethod in accordance with claim 1, ~~characterized in that~~wherein, ~~the~~ timing priority of a packet-(D) to be transmitted over the common transmission channel before other packets-(ABC) is stored in a header of the packet-(D), ~~especially in a header of the packet.~~

Claim 9. (currently amended) ~~The M~~method in accordance with claim 1, ~~characterized in that~~wherein more than 1000 traffic channels run over the transmission channel.

Claim 10. (currently amended) ~~A D~~device for executing the method in accordance with claim 1.